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1989 NORTH DAKOTA VEHICULAR CRASH FACTS

June 1990

Prepared by

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
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INTRODUCTION

Crash statistics are an important element of North Dakota's traffic safety program. It is only through careful analysis of crashes that pertinent information can be learned about their causes. Corresponding solutions can then be found–laws can be introduced, safety programs can be implemented, enforcement can be increased, and highway improvements can be made.

The specific nature of this data is aimed at helping the various professionals involved in traffic safety by showing them where they can best concentrate their safety efforts. VEHICULAR CRASH FACTS, therefore, is a valuable reference for news media, legislators, researchers, law enforcement agencies, judicial personnel, insurance companies, businesses, students, and per sons involved in traffic safety activities. It also carries a message to everyone who gets behind the wheel. Safety is everyone's business.

This report is a study of the data compiled from all North Dakota motor vehicle crash reports in 1989. Pertinent information is maintained concerning drivers, motor vehicles, highways, and traffic crashes. Other information is obtained from the state toxicologist, the Highway Patrol, and emergency medical services. The information is tied together in order to assist the North Dakota Department of Transportation in identifying problems and then in finding appropriate solutions.

Requests for further information or additional copies of this report should be addressed to:

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ACKNOWLEDGEMENTS

Gratitude is extended to all law enforcement personnel at the city, county, and state levels who provide the accurate crash reports from which these statistics are obtained. Their efforts make this report a reliable source of information.

DID YOU KNOW?

1987	1988	1989	
5,729,027,000	5,799,666,000	5,896,642,000	vehicle miles traveled within the state.
11,308	10,906	11,536	traffic crashes occurred in North Dakota.
101	104	81	persons were killed in traffic crashes.
5,120	4,924	4,973	persons were injured in traffic crashes.
52%	56%	53%	of the fatal crashes occurred during daylight hours.
84%	81%	74%	of the fatal crashes occurred on dry surface with clear/cloudy weather conditions.

1989 FACTS AND FIGURES

WHO?

4.3 % of all licensed drivers in North Dakota were involved in a traffic crash.
70% of all fatalities were male.
28% of those killed were between the ages of 14-24. Males in this age group account for 33% of all male fatalities. Females in this age group account for 17% of all female fatalities.

Ratio of injured to killed was 4,973 to 81 or 61 to 1.

61% of the fatal crashes involved a single motor vehicle.

WHERE?

16% of the fatal crashes occurred in urban areas.
84% of the fatal crashes occurred in rural areas.

WHEN?

22% of all fatal crashes occurred in July and August.
16% of all fatal crashes occurred on Sunday.
37% of all fatal crashes occurred on Saturday and Sunday.
11% of all fatal crashes occurred between 11:00 p.m. and midnight.

A reportable crash occurred every 46 minutes.
One person was injured every 1.8 hours.
One person was killed every 4.5 days.

65% of the vehicles involved in crashes were passenger cars.

The total number of registered motorcycles in 1989 was 21,737 compared to 24,038 in 1988.

Of the 186 motorcycles involved in crashes, 1 was involved in a fatal crash and 179 were involved in injury crashes.

Of the 122 pedalcycles involved in crashes, 3 were involved in fatal crashes and 111 were involved in injury crashes.

Of the 19 school buses involved in crashes, none were involved in fatal crashes and 8 were involved in injury crashes.

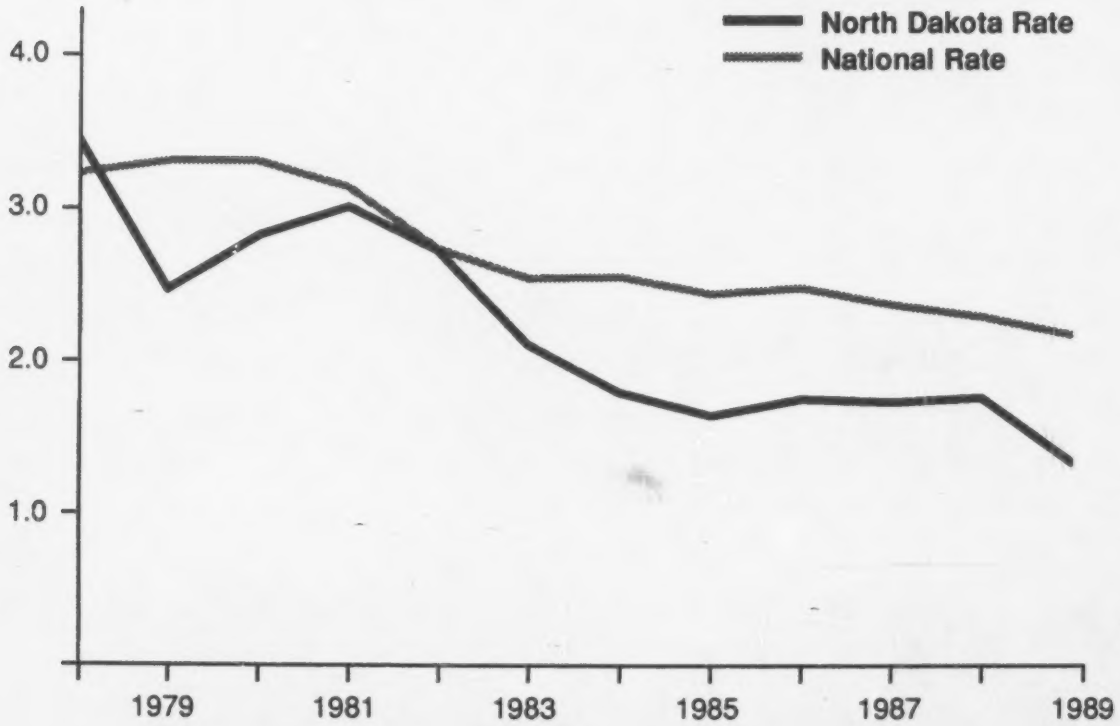
23 emergency vehicles were involved in crashes, none were involved in fatal crashes and 6 were involved in injury crashes.

COST OF TRAFFIC CRASHES

Year	Fatalities		Injuries		Property Damage Crashes		Total
	Number	Est. Loss*	Number	Est. Loss*	Number	Est. Loss*	Est. Loss*
1979	128	36,758,400	6,386	20,339,410	13,850	7,202,000	64,299,810
1980	151	43,363,425	5,885	18,743,725	10,744	5,586,880	67,694,030
1981	166	47,671,050	6,213	19,788,405	11,069	5,755,880	73,205,335
1982	148	42,501,900	5,814	18,517,590	11,866	6,170,320	67,189,810
1983	116	33,312,300	5,504	17,530,240	10,971	5,704,920	56,547,460
1984	100	28,717,500	5,413	17,240,405	11,389	5,922,280	51,880,185
1985	90	25,845,750	5,509	17,546,165	10,895	5,665,400	49,057,315
1986	100	28,717,500	5,447	17,348,695	9,774	5,082,480	51,148,675
1987	101	29,004,675	5,120	16,307,200	7,751	4,030,520	49,342,395
1988	104	29,866,200	4,924	15,682,940	7,397	7,397,000	52,946,140
1989	81	$23,261,175	4,973	$15,839,005	8,040	$8,040,000	$47,140,180

* Estimated at $287,175 per fatality, $3,185 per injury and $520 per reportable accident.
Estimated figures published by U.S. Department of Transportation, National Highway Traffic Safety Administration.
On July 1, 1987, minimum damage for a reportable accident was changed to $1,000.

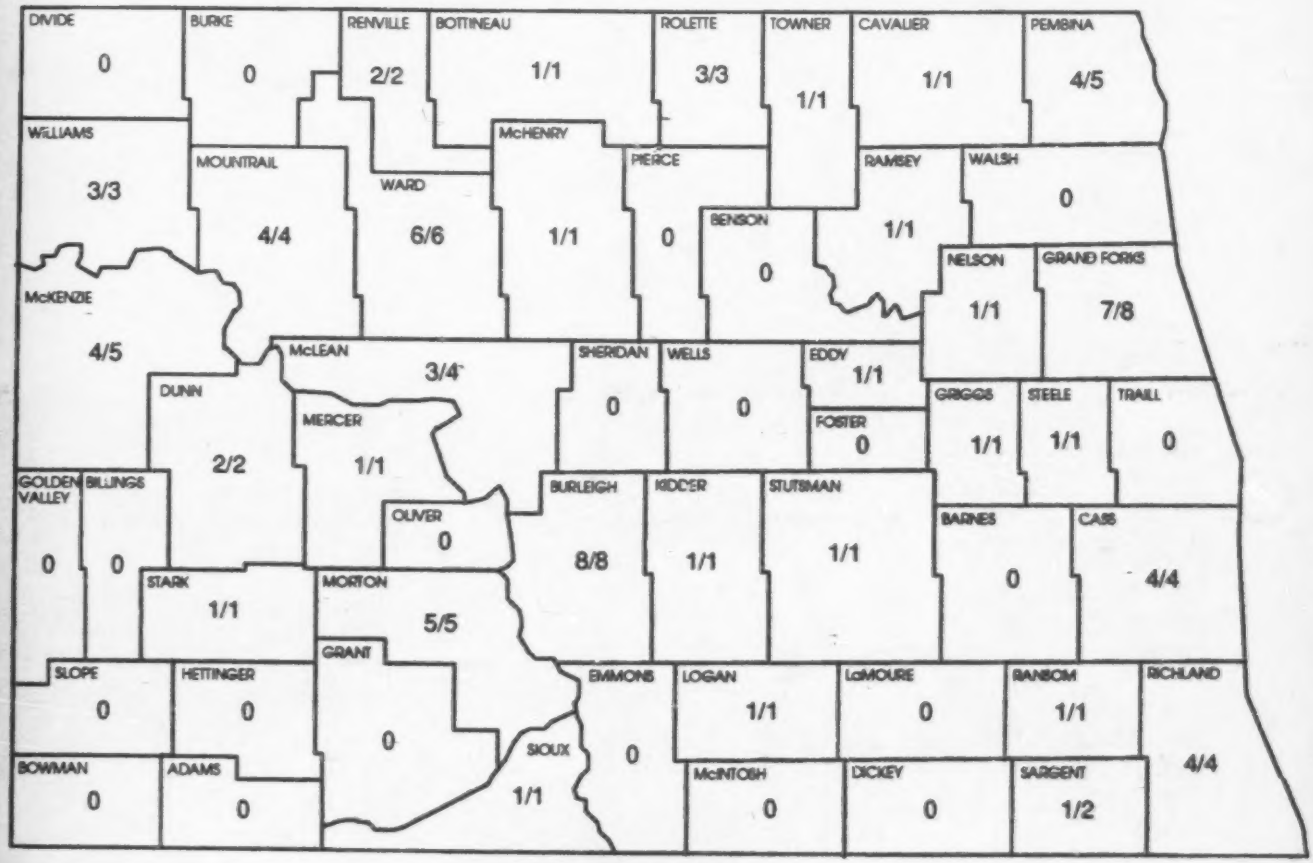
FATALITIES, NORTH DAKOTA AND NATIONAL FATALITY RATE*



YEAR	NORTH DAKOTA FATALITIES	NORTH DAKOTA RATE	NATIONAL** FATALITIES	NATIONAL* RATE
1979	128	2.50	51,093	3.34
1980	151	2.85	51,091	3.34
1981	166	3.04	49,301	3.17
1982	148	2.75	43,945	2.76
1983	116	2.13	42,589	2.57
1984	100	1.82	44,257	2.58
1985	90	1.67	43,825	2.47
1986	100	1.78	46,087	2.51
1987	101	1.76	46,383	2.40
1988	104	1.79	47,093	2.32
1989	81	1.37	45,500	2.20

*Rate is based on deaths per 100 million vehicle miles traveled.
**Fatal Accident Reporting System Annual Report.

FATAL CRASHES/FATALITIES BY COUNTY 1989



STATE TOTAL
Fatal Crashes - 76
Fatalities - 81

PERSONS KILLED AND INJURED BY COUNTY

County	Number Killed	Number Injured	Pedestrians Killed	Pedestrians Injured
Adams	–	10	–	–
Barnes	–	112	–	–
Benson	–	39	–	–
Billings	–	20	–	–
Bottineau	1	26	–	–
Bowman	–	19	–	1
Burke	–	22	–	–
Burleigh	8	624	2	19
Cass	4	1,145	–	27
Cavalier	1	24	–	–
Dickey	–	35	–	–
Divide	–	13	–	–
Dunn	2	26	1	–
Eddy	1	7	1	–
Emmons	–	25	–	2
Foster	–	20	–	1
Golden Valley	–	10	–	–
Grand Forks	8	648	1	13
Grant	–	11	–	–
Griggs	1	15	–	–
Hettinger	–	7	–	–
Kidder	1	45	–	–
LaMoure	–	18	–	–
Logan	1	7	–	–
McHenry	1	38	–	–
McIntosh	–	29	–	–
McKenzie	5	55	–	–
McLean	4	61	–	–
Mercer	1	41	–	–
Morton	5	146	1	4
Mountrail	4	37	–	1
Nelson	1	16	–	–
Oliver	–	13	–	–
Pembina	5	60	1	–
Pierce	–	17	–	1
Ramsey	1	84	–	3
Ransom	1	31	–	–
Renville	2	11	–	1
Richland	4	123	–	1
Rolettte	3	69	–	1
Sargent	2	20	–	–
Sheridan	–	5	–	–
Sioux	1	28	–	–
Slope	–	4	–	–
Stark	1	188	–	5
Steele	1	15	1	1
Stutsman	1	203	1	–
Towner	1	14	–	–
Traill	–	59	–	–
Walsh	–	114	–	4
Ward	6	409	1	9
Wells	–	26	–	–
Williams	3	129	–	8
TOTALS	81	4,973	10	102

REPORTABLE CRASHES BY COUNTY

County	Total	Fatal	Injury	Property Damage
Adams	30	–	8	22
Barnes	262	–	79	183
Benson	107	–	23	84
Billings	35	–	13	22
Bottineau	101	1	16	84
Bowman	43	–	17	26
Burke	44	–	11	33
Burleigh	1,316	8	428	880
Cass	2,534	4	800	1,730
Cavalier	67	1	11	55
Dickey	91	–	24	67
Divide	30	–	10	20
Dunn	47	2	16	29
Eddy	54	1	6	47
Emmons	59	–	19	40
Foster	57	–	15	42
Golden Valley	24	–	8	16
Grand Forks	1,471	7	451	1,013
Grant	30	–	10	20
Griggs	34	1	10	23
Hettinger	25	–	6	19
Kidder	76	1	26	49
LaMoure	42	–	15	27
Logan	32	1	6	25
McHenry	90	1	24	65
McIntosh	47	–	17	30
McKenzie	105	4	29	72
McLean	161	3	37	121
Mercer	122	1	28	93
Morton	364	5	108	251
Mountrail	91	4	27	60
Nelson	57	1	14	42
Oliver	24	–	8	16
Pembina	135	4	45	86
Pierce	58	–	14	44
Ramsey	245	1	56	188
Ransom	65	1	22	42
Renville	47	2	8	37
Richland	264	4	92	168
Rolettte	127	3	40	84
Sargent	46	1	15	30
Sheridan	6	–	2	4
Sioux	25	1	17	7
Slope	10	–	4	6
Stark	367	1	131	235
Steele	46	1	12	33
Stutsman	481	1	135	345
Towner	34	1	8	25
Traill	156	–	29	117
Walsh	234	–	70	164
Ward	1,131	6	285	840
Wells	66	–	20	46
Williams	321	3	85	233
TOTALS	11,536	76	3,420	8,040

MOTOR VEHICLE FATALITIES ON MAJOR HOLIDAYS

Holiday	Beginning Date	Ending Date	Hours*	Number Deaths
Memorial Day	May 26	May 29	78	–
July 4th	June 30	July 4	102	1
Labor Day	September 1	September 4	78	1
Thanksgiving	November 22	November 26	102	–
Christmas	December 22	December 25	78	–
New Years	December 29, 1989	January 1, 1990	78	–
			TOTAL	2

RESTRAINT DEVICE USAGE AND EJECTION OF OCCUPANTS IN PASSENGER CARS AND PICKUPS*

AGE SIX AND OVER

	Not Ejected			Partial Ejection			Total Ejection		
Safety Equipment	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not in Use (NA)	26	2,977	16,271	4	45	96	24	196	236
Lap Only	–	81	599	–	–	2	–	1	2
Lap and Shoulder	4	804	5,804	–	3	12	–	2	7
Automatic Belts	–	3	16	–	–	–	–	–	–
Equipment Failed	–	–	–	–	–	–	–	–	–
Other	–	6	16	–	–	–	–	2	2
Unknown	3	218	2,798	–	–	3	1	5	8
SUBTOTALS	33	4,098	25,504	4	48	113	25	206	255

AGE FIVE AND UNDER

	Not Ejected			Partial Ejection			Total Ejection		
Safety Equipment	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not installed	–	17	69	–	–	–	–	6	8
CSS** Used Properly	–	12	301	–	–	1	–	–	–
CSS** Used Improperly	–	3	11	–	–	–	–	1	1
Held by Passenger	–	3	9	–	–	1	–	–	–
In Veh./Not Used	–	108	582	–	3	6	1	10	11
Seat Belt Used	–	44	740	–	–	–	–	–	1
Other	–	2	13	–	–	–	–	–	–
Unknown	–	10	82	–	–	–	–	–	–
SUBTOTALS	–	199	1,807	–	3	8	1	17	21
GRAND TOTALS	33	4,288	27,311	4	51	121	26	223	276

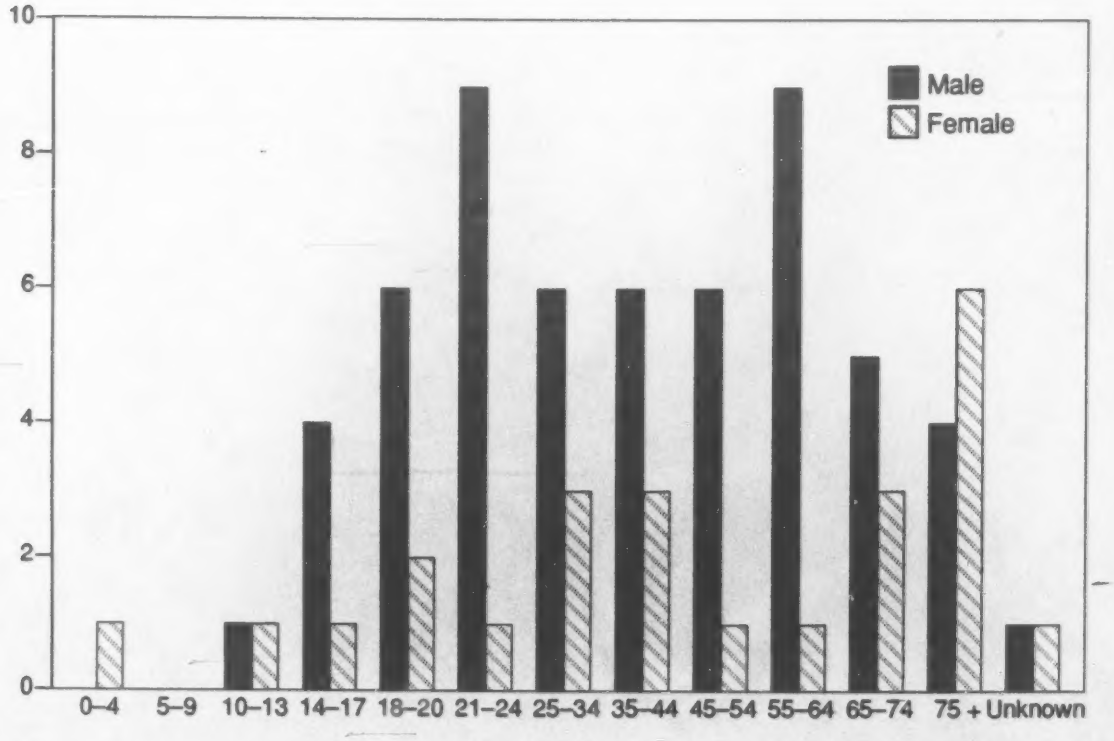
*Prior to this year, this data was based on fatal and injury crashes only. 1989 data based on all crashes.
**CSS – Child Safety Seat

TOTAL AND FATAL CRASHES BY TIME OF DAY AND DAY OF WEEK

Time of Day	Total Crashes			Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
	Total	%	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals
12:01 a.m. - 12:59 a.m.	298	2.6	2	17	–	28	–	30	1	33	–	38	–	86	–	66	1
1:00 a.m. - 1:59 a.m.	364	3.2	3	10	–	29	1	33	–	38	–	38	–	112	1	104	1
2:00 a.m. - 2:59 a.m.	216	1.9	2	9	–	17	–	13	–	15	–	23	–	57	1	82	1
3:00 a.m. - 3:59 a.m.	170	1.5	1	10	–	8	–	14	–	15	–	11	–	53	–	59	1
4:00 a.m. - 4:59 a.m.	120	1.0	2	9	–	9	1	6	–	15	–	9	–	33	1	39	–
5:00 a.m. - 5:59 a.m.	115	1.0	2	14	–	11	–	18	–	16	–	7	–	18	2	31	–
6:00 a.m. - 6:59 a.m.	203	1.8	2	30	–	34	1	33	1	23	–	19	–	32	–	32	–
7:00 a.m. - 7:59 a.m.	413	3.6	1	70	–	83	1	76	–	84	–	66	–	22	–	12	–
8:00 a.m. - 8:59 a.m.	467	4.0	2	69	–	95	1	93	–	62	1	79	–	44	–	25	–
9:00 a.m. - 9:59 a.m.	419	3.6	2	46	–	70	–	65	1	68	–	59	1	69	–	40	–
10:00 a.m. - 10:59 a.m.	464	4.0	2	62	–	74	–	75	1	62	–	74	1	66	–	51	–
11:00 a.m. - 11:59 a.m.	575	5.0	5	82	1	85	1	102	2	91	–	83	–	101	1	31	–
12:00 a.m. - 12:59 p.m.	678	5.9	7	89	1	115	1	98	–	96	2	117	2	107	1	56	–
1:00 p.m. - 1:59 p.m.	629	5.5	5	100	2	125	1	79	–	87	–	93	–	97	–	48	2
2:00 p.m. - 2:59 p.m.	636	5.5	4	87	–	106	–	97	1	76	2	106	–	116	–	48	1
3:00 p.m. - 3:59 p.m.	902	7.8	2	133	–	154	1	126	–	115	–	176	–	115	1	83	–
4:00 p.m. - 4:59 p.m.	884	7.7	3	118	2	172	–	138	–	130	–	147	–	120	1	59	–
5:00 p.m. - 5:59 p.m.	883	7.7	3	132	–	156	–	147	–	147	1	147	–	93	1	61	1
6:00 p.m. - 6:59 p.m.	634	5.5	7	97	1	114	–	94	1	84	–	97	2	97	2	51	1
7:00 p.m. - 7:59 p.m.	552	4.8	3	71	–	95	–	73	–	65	–	93	1	95	–	60	2
8:00 p.m. - 8:59 p.m.	498	4.3	3	77	–	70	1	62	–	61	–	88	–	76	2	64	–
9:00 p.m. - 9:59 p.m.	510	4.4	2	66	–	74	2	68	–	77	–	100	–	63	–	62	–
10:00 p.m. - 10:59 p.m.	474	4.1	3	51	–	62	–	59	–	52	1	110	–	96	2	44	–
11:00 p.m. - 11:59 p.m.	420	3.6	8	48	2	37	–	43	2	44	1	106	2	98	–	44	1
Unknown Times	12	.1	–	1	–	1	–	4	–	2	–	1	–	2	–	1	–
TOTALS	11,536	100.0	76	1,500	9	1,824	12	1,646	10	1,558	8	1,887	9	1,868	16	1,253	12

AGE AND SEX OF FATALITIES

Age	Total Fatalities		Pedestrian Fatalities		Pedalcyclist Fatalities	
	Male	Female	Male	Female	Male	Female
0 – 4	–	1	–	–	–	–
5 – 9	–	–	–	–	–	–
10 – 13	1	1	–	1	–	–
14 – 17	4	1	–	–	–	1
18 – 20	6	2	–	–	1	–
21 – 24	9	1	–	1	–	–
25 – 34	6	3	–	–	–	–
35 – 44	6	3	1	–	–	–
45 – 54	6	1	1	–	1	–
55 – 64	9	1	1	1	–	–
65 – 74	5	3	2	–	–	–
75 & older	4	6	1	1	–	–
Unknown	1	1	–	–	–	–
TOTAL	57	24	6	4	2	1



NORTH DAKOTA/OUT-OF-STATE DRIVER INVOLVEMENT

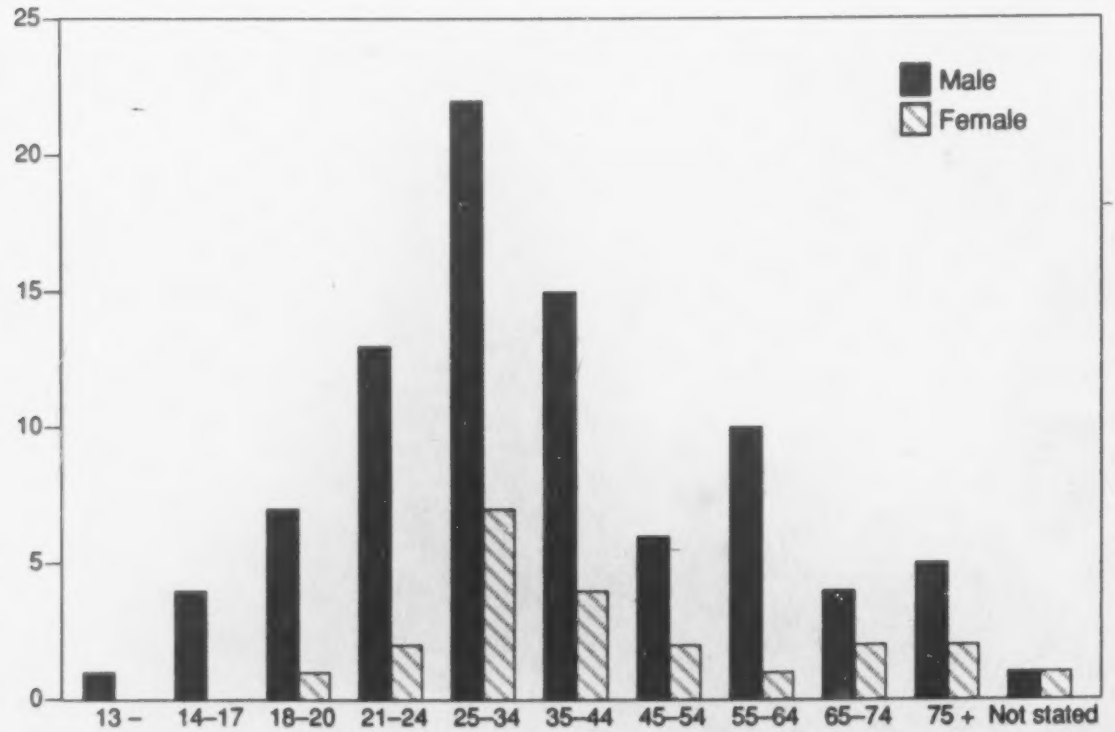
License	All Crashes	Fatal Crashes	Injury Crashes
North Dakota	15,558 or 83.9%	90 or 81.8%	4,712 or 83.6%
Out-of-State	2,857 or 15.4%	19 or 17.3%	884 or 15.7%
Unknown	136 or 0.7%	1 or 0.9%	43 or 0.7%
TOTAL	18,551	110	5,639

AGE AND SEX OF PERSONS INJURED

				Pedestrian Injuries		Pedalcyclist Injuries	
Age	Total	Male	Female	Male	Female	Male	Female
0 – 4	85	43	42	2	–	2	–
5 – 9	160	89	71	15	9	16	8
10 – 13	169	89	80	1	3	27	14
14 – 17	695	306	389	8	7	10	4
18 – 20	689	333	356	6	4	6	2
21 – 24	616	338	278	3	1	4	–
25 – 34	882	456	426	6	8	6	3
35 – 44	596	286	310	4	1	–	2
45 – 54	349	158	191	1	3	2	–
55 – 64	260	134	126	2	4	–	1
65 – 74	202	90	112	3	3	–	–
75 & older	245	106	139	4	4	3	–
Unknown	25	11	14	–	–	1	–
TOTAL	4,973	2,439	2,534	55	47	77	34

AGE AND SEX OF DRIVERS INVOLVED IN FATAL CRASHES

Age	Male	Female	Total	% of Total
13 & under	1	–	1	0.9
14 – 17	4	–	4	3.6
18 – 20	7	1	8	7.3
21 – 24	13	2	15	13.6
25 – 34	22	7	29	26.4
35 – 44	15	4	19	17.3
45 – 54	6	2	8	7.3
55 – 64	10	1	11	10.0
65 – 74	4	2	6	5.4
75 & older	5	2	7	6.4
Not stated	1	1	2	1.8
TOTAL	88	22	110	



CRASH INVOLVEMENT BY AGE, SEX AND LICENSE OF DRIVER

Age	Licensed Drivers	Involved In All Crashes	Involved In Injury Crashes
13 & under	– –	26 or 0.1%	13 or 0.2%
14 – 17	16,892 or 3.9%	1,989 or 10.7%	640 or 11.4%
18 – 20	25,249 or 5.9%	2,482 or 13.4%	814 or 14.4%
21 – 24	32,724 or 7.6%	2,454 or 13.2%	782 or 13.9%
25 – 34	97,314 or 22.7%	4,394 or 23.7%	1,263 or 22.4%
35 – 44	85,210 or 19.9%	2,924 or 15.8%	851 or 15.1%
45 – 54	53,949 or 12.6%	1,445 or 7.8%	462 or 8.2%
55 – 64	49,684 or 11.6%	1,213 or 6.5%	340 or 6.0%
65 – 74	41,861 or 9.8%	881 or 4.8%	249 or 4.4%
75 & older	25,929 or 6.0%	650 or 3.5%	199 or 3.5%
Not stated	– –	93 or 0.5%	26 or 0.5%
TOTALS		18,551	5,639
Sex			
Male	217,914 or 50.8%	11,695 or 63.0%	3,422 or 60.7%
Female	210,898 or 49.2%	6,856 or 37.0%	2,217 or 39.3%
TOTALS	428,812	18,551	5,639

FATALITY BLOOD ALCOHOL CONCENTRATION LEVELS

The North Dakota Century Code requires that the state toxicologist analyze a blood sample of every person killed in a traffic crash for the purpose of determining if the individual has a Measurable Blood Alcohol Concentration (BAC), and what the percentage of BAC was. The following statistics were provided by the state toxicologist for the period January 1980 through December 1989.

	1989	January 1980 thru December 1989
Traffic deaths in North Dakota	81	1,157
Victims 14 years of age and older	78	1,087
Number of satisfactory blood samples analyzed	59	784
Victims	81 (59)*	1,157 (784)*
Measurable BAC	24 or 41%	492 or 63%
BAC of 0.05% or higher	24 or 41%	461 or 59%
BAC of 0.10% or higher	15 or 25%	412 or 53%
BAC of 0.15% or higher	11 or 19%	334 or 43%
BAC of 0.20% or higher	7 or 12%	191 or 24%
Drivers killed	57 (44)*	760 (586)*
Measurable BAC	19 or 43%	372 or 63%
BAC of 0.05% or higher	19 or 43%	355 or 61%
BAC of 0.10% or higher	12 or 27%	323 or 55%
BAC of 0.15% or higher	8 or 18%	262 or 45%
BAC of 0.20% or higher	5 or 11%	152 or 26%
Drivers killed in single-vehicle crashes	27 (20)	354 (291)*
Measurable BAC	16 or 80%	229 or 79%
BAC of 0.05% or higher	16 or 80%	225 or 77%
BAC of 0.10% or higher	10 or 50%	210 or 72%
BAC of 0.15% or higher	6 or 30%	177 or 61%
BAC of 0.20% or higher	4 or 20%	107 or 37%
Victims 14 to 20 years of age	13 (11)*	239 (174)*
Measurable BAC	5 or 45%	116 or 67%
BAC of 0.05% or higher	5 or 45%	102 or 59%
BAC of 0.10% or higher	3 or 27%	82 or 47%
BAC of 0.15% or higher	2 or 18%	48 or 28%
BAC of 0.20% or higher	1 or 9%	18 or 10%
Drivers 14 to 20 years of age	7 (7)*	146 (117)*
Measurable BAC	4 or 57%	81 or 69%
BAC of 0.05% or higher	4 or 57%	76 or 65%
BAC of 0.10% or higher	2 or 29%	63 or 54%
BAC of 0.15% or higher	1 or 14%	39 or 33%
BAC of 0.20% or higher	0 or 0%	14 or 12%

*Numbers in parenthesis are the number of blood samples processed by the state toxicologist.

TRAFFIC VIOLATIONS/CONVICTIONS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1989	1988
Intoxicating Liquor – DUI	24	16	22	132	229	215	123	235	171	289	216	30	1,702	1,771
Physical Control – UI	4	1	2	14	14	23	14	23	17	26	15	3	156	186
Careless Driving	43	22	30	27	54	38	45	46	32	62	38	34	471	453
Racing MV on Highway	5	2	1	–	5	2	4	5	6	12	5	8	55	51
Exhibition Driving	57	40	38	52	86	96	85	72	103	141	91	60	921	854
Fail to Yield R/W to MV	16	4	–	–	–	–	–	–	–	–	14	10	46	217
Disregarded Traffic Control	280	218	201	145	174	166	158	113	148	244	234	240	2,321	2,125
Disregard Law Officer in MV	6	3	3	9	6	12	5	7	7	15	11	8	92	117
No Liability Insurance	35	34	44	37	43	40	35	45	39	106	58	36	552	454
Operate MV Without License	132	110	111	122	201	236	196	169	170	257	174	129	2,007	1,746
Care Required	229	191	150	104	146	139	139	110	159	220	266	205	2,058	1,874
Fail to Stop	450	362	360	339	380	357	314	229	321	504	431	401	4,448	3,796
Open Container in MV	85	65	64	66	128	131	128	85	104	138	108	87	1,189	1,337
Fail/False Report of Crash	28	19	21	14	24	17	15	11	14	35	28	34	260	237
Reckless Driving	8	6	15	35	34	38	47	51	25	41	43	17	360	334
Violated Restrictions	10	9	10	9	16	22	23	19	20	32	19	18	207	169
Leaving Scene of Crash	5	13	15	10	12	13	20	9	6	24	17	22	166	176
Driving Under Susp./Revoc.	4	157	170	156	162	179	126	161	35	254	169	146	1,719	418
Speeding	3,937	3,986	4,931	4,863	6,042	6,170	5,554	4,570	6,326	8,560	6,160	5,174	66,273	60,120
Miscellaneous	1,163	855	888	858	1,091	1,085	925	759	913	1,279	1,082	991	11,889	10,436
TOTALS	6,521	6,113	7,076	6,992	8,847	8,979	7,956	6,719	8,616	12,239	9,179	7,653	96,890	86,871

CRASHES BY TYPE OF DRIVER VIOLATION

Violation/ Circumstance	All Crashes			Fatal Crashes			Injury Crashes		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
D.U.I	237	236	473	2	6	8	118	147	265
Open Container	13	8	21	–	–	–	5	6	11
Drivers License	139	162	301	–	1	1	67	78	145
Careless Driving	500	704	1,204	–	9	9	169	261	430
Left Crash Scene	166	80	246	1	–	1	50	20	70
Fail to Yield	1,967	318	2,285	4	8	12	579	100	679
Traffic Control	354	2	356	–	–	–	132	–	132
Following	436	64	500	–	–	–	162	18	180
Improper Turning	360	48	408	–	–	–	78	13	91
Improper Backing	80	22	102	–	–	–	5	3	8
Overtaking	35	45	80	–	–	–	7	10	17
Wrong Way	16	7	23	–	–	–	5	5	10
Speed	113	47	160	–	1	1	28	23	51
Defective Equipment	33	13	46	–	–	–	8	5	13
Criminal Offense	27	23	50	–	1	1	8	14	22
Illegal Parking	10	8	18	–	–	–	2	4	6
Other	624	446	1,070	1	8	9	200	153	353
None	7,200	4,008	11,208	11	57	68	2,266	890	3,156
TOTALS	12,310	6,241	18,551	19	91	110	3,889	1,750	5,639

CRASH SUMMARY BY MONTH

Month	Total Crashes			Fatal Crashes	Injury Crashes	No. Deaths	No. Injured
January	1,385	or	12.0%	3	301	3	406
February	867	or	7.5%	2	239	2	345
March	905	or	7.9%	5	237	7	350
April	720	or	6.2%	3	223	3	314
May	833	or	7.2%	9	281	9	398
June	838	or	7.3%	8	275	8	402
July	834	or	7.2%	6	329	6	522
August	880	or	7.6%	11	285	11	451
September	896	or	7.8%	3	305	3	448
October	1,000	or	8.7%	13	303	15	421
November	1,228	or	10.6%	7	339	7	485
December	1,150	or	10.0%	6	303	7	431
TOTALS	11,536			76	3,420	81	4,973

CRASHES BY LIGHT CONDITIONS

Light Condition	Total Crashes			Fatal Crashes	Injury Crashes
	7,107	or	61.6%	40	2,171
	205	or	1.8%	1	46
	438	or	3.8%	1	141
	1,780	or	15.4%	9	538
	1,986	or	17.2%	25	519
	20	or	0.2%	–	5
TOTALS	11,536			76	3,420

ROAD SURFACE AND WEATHER CONDITIONS

FATAL CRASHES

Road Surface Conditions

Weather Condition	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
	56	1	–	1	–	5	2	–	65
	–	6	–	–	–	–	–	–	6
	–	–	–	1	–	–	–	–	1
	–	–	–	1	–	–	–	–	1
	–	2	–	–	–	–	–	–	2
	–	–	–	–	1	–	–	–	1
TOTALS	56	9	–	3	1	5	2	–	76

ROAD SURFACE AND WEATHER CONDITIONS

INJURY CRASHES

Road Surface Conditions

Weather Condition	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
Clear, Cloudy	2,146	182	5	51	15	472	76	11	2,958
Rain	–	138	4	–	–	11	–	–	153
Snow	–	16	–	38	12	92	1	–	159
Blow Snow	11	–	–	22	1	55	4	1	94
Sleet, Hail	–	2	–	–	–	12	–	–	14
Fog, Smoke	9	9	–	–	–	5	–	–	23
Wind	8	–	–	–	–	2	1	–	11
Other	6	–	–	–	–	–	–	2	8
TOTALS	2,180	347	9	111	28	649	87	14	3,420

ROAD SURFACE AND WEATHER CONDITIONS

ALL CRASHES

Road Surface Conditions

Weather Condition	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
	6,693	546	17	222	69	2,087	247	32	9,913
	2	424	14	–	1	49	–	–	490
	–	39	1	130	23	362	3	–	558
	31	1	1	74	4	245	6	4	366
	–	4	–	–	4	61	1	–	70
	28	26	–	1	–	14	2	–	71
	20	2	–	–	2	7	1	–	32
	20	2	–	–	–	1	1	12	36
TOTALS	6,794	1,044	33	427	103	2,826	261	48	11,536

TYPE OF MOTOR VEHICLE CRASHES

NUMBER OF CRASHES

	TOTAL				ON ROADWAY				OFF ROADWAY			
	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage
Overturning	1,333	19	538	776	168	6	82	80	1,165	13	456	696
Other Noncollision	206	–	74	132	57	–	21	36	149	–	53	96
Stuck Other MV	6,852	32	2,044	4,776	6,744	32	2,016	4,696	108	–	28	80
Parked MV	608	–	98	510	184	–	36	148	424	–	62	362
Pedestrian	102	7	93	2	90	6	83	1	12	1	10	1
Train	19	4	8	7	16	3	8	5	3	1	–	2
Pedalcyclist	94	3	91	–	87	2	85	–	7	1	6	–
Animal	993	–	37	956	989	–	37	952	4	–	–	4
Fixed Object	1,162	11	400	751	171	1	57	113	991	10	343	638
Other Object	119	–	34	85	61	–	11	50	58	–	23	35
Fire/Explosion	46	–	1	45	26	–	–	26	20	–	1	19
Submersion	–	–	–	–	–	–	–	–	–	–	–	–
Unknown	2	–	2	–	2	–	2	–	–	–	–	–
Totals	11,536	76	3,420	8,040	8,595	50	2,438	6,107	2,941	26	982	1,933

NUMBER OF PERSONS INVOLVED

	Total	Fatalities	Incapacitating Injury	Evident Injury	Possible Injury	No Injury
Overturning	2,188	19	137	362	248	1,422
Other Noncollision	355	–	9	57	35	254
Stuck Other MV	20,827	37	360	1,019	1,797	17,614
Parked MV	725	–	10	61	38	616
Pedestrian	239	7	26	48	27	131
Train	34	4	7	3	5	15
Pedalcyclist	207	3	21	51	23	109
Animal	1,702	–	4	21	20	1,657
Fixed Object	1,727	11	105	265	166	1,180
Other Object	169	–	4	21	19	125
Fire/Explosion	63	–	–	1	–	62
Submersion	–	–	–	–	–	–
Unknown	8	–	1	–	2	5
Totals	28,244	81	684	1,909	2,380	23,190

*SUMMARY OF REPORTABLE CRASHES BY CITY POPULATION 5,000 AND OVER

	Total	Fatal	Injury	Damage	Number Killed	Number Injured
Fargo	2,015	1	660	1,354	1	950
Grand Forks	1,087	1	355	731	1	493
Bismarck	1,122	3	376	743	3	535
Minot	865	3	213	649	3	306
Jamestown	318	–	95	223	–	138
Dickinson	264	1	88	175	1	121
Williston	213	1	58	154	1	86
Mandan	189	1	67	121	1	90
Valley City	112	–	32	80	–	45
Devils Lake	129	–	33	96	–	46
Wahpeton	126	1	49	76	1	57
Grafton	77	–	17	60	–	23
West Fargo	160	–	45	115	–	64
TOTALS	6,677	12	2,088	4,577	12	2,954

*Does not include Interstate urban accidents.

VEHICLE INVOLVEMENT BY TYPE

	Total			Fatal	Injury
Passenger Car	12,809	or	64.6%	68	3,988
Pickup – Van – Jeep	4,624	or	23.3%	30	1,209
Truck Tractor	378	or	1.9%	5	111
Truck	316	or	1.6%	2	84
Taxi	5	or	0.0%	–	2
Bus	30	or	0.2%	–	4
School Bus	19	or	0.1%	–	8
Motorcycle	186	or	0.9%	1	179
Moped	2	or	0.0%	–	2
Pedalcycle	117	or	0.6%	5	112
Construction Equipment	28	or	0.1%	–	7
Snowmobile	4	or	0.0%	–	–
Emergency Vehicle	23	or	0.1%	–	4
Train	16	or	0.1%	3	7
Motor Home/RV	30	or	0.2%	1	1
Farm Equipment	29	or	0.2%	3	12
Modified Vehicle	2	or	0.0%	–	1
All Terrain Vehicle	12	or	0.1%	–	11
Parked	1,132	or	5.7%	3	238
Other	54	or	0.3%	–	16
TOTALS	19,816			121	5,996

CRASHES BY OBJECT STRUCK

	All Urban	All Rural	Fatal Urban	Fatal Rural	Injury Urban	Injury Rural
None	6,027	2,489	11	41	1,865	778
Official Sign	62	103	–	1	14	26
Advertising Sign	2	5	–	–	2	–
Delineator	9	61	–	1	1	10
Guardrail	37	145	–	1	13	43
Light Standard	84	12	–	–	27	1
Bridge	19	45	–	–	8	17
Drainage Structure	7	46	–	1	3	28
Utility Pole	68	44	–	–	22	17
Tree/Shrub	73	74	–	3	38	24
Rocks	2	13	–	–	–	6
Ditch/Slope	26	438	–	7	11	185
Fence	20	75	–	–	5	26
Hydrant	21	6	–		4	2
Bird	1	1	–	–	–	1
Small Pet	–	2	–	–	–	–
Small Wild Animal	–	5	–	–	–	1
Farm Animal	1	98	–	–	–	9
Deer	19	856	–	–	3	24
Other Big Game	–	12	–	–	–	–
Approach	3	116	1	6	1	78
Building	25	11	–	–	8	2
Mailbox	6	26	–	–	–	5
Snowbank	29	73	–	–	11	17
Curb/Wall	70	7	–	–	31	3
Other	66	96	–	3	21	29
TOTALS	6,677	4,859	12	64	2,088	1,332

CRASHES BY URBAN POPULATION

*Urban Population	NUMBER OF CRASHES				NUMBER OF PERSONS	
	Total	Fatal	Injury	Damage	Killed	Injured
5,000 – 10,000	444	1	131	312	1	171
10,000 – 25,000	1,144	3	353	788	3	498
25,000 – 50,000	3,074	7	944	2,123	7	1,334
50,000 – 100,000	2,015	1	660	1,354	1	950
TOTALS	6,677	12	2,088	4,577	12	2,953

*Does not include Interstate urban crashes. Interstate is considered a rural roadway.

CRASHES BY ROADWAY

URBAN

Urban Roadways	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	205	3	58	144	3	81
Federal Aid Primary	1,725	4	612	1,109	4	909
Federal Aid Urban	2,549	6	804	1,739	6	1,130
Local	2,403	2	672	1,729	2	915
SUBTOTALS	6,882	15	2,146	4,721	15	3,035

RURAL

Rural Roadways	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	585	6	161	418	6	258
Federal Aid Primary	1,594	29	397	1,168	33	632
Federal Aid Secondary	796	10	248	538	10	352
Local	1,679	16	468	1,195	17	696
SUBTOTALS	4,654	61	1,274	3,319	66	1,938
TOTALS	11,536	76	3,420	8,040	81	4,973

NON-TRAFFIC CRASHES*

	CRASHES			
	Total	Fatal	Injury	Damage
Overturning	25	–	15	10
Other Noncollision	9	–	6	3
Struck Other MV	434	–	37	397
Parked MV	–	–	–	–
Pedestrian	29	2	27	–
RR Train	–	–	–	–
Pedalcyclist	8	–	8	–
Animal	3	–	–	3
Fixed Object	197	1	36	160
Other Object	18	–	2	16
Fire/Explosion	8	–	–	8
Submersion	1	–	–	1
Unknown	221	–	11	210
TOTALS	953	3	142	808

	PERSONS					
	Total	Fatalities	Incap. Injury	Evident Injury	Possible Injury	None
Overturning	34	–	4	8	4	18
Other Noncollision	17	–	2	3	1	11
Struck Other MV	953	–	8	17	21	907
Parked MV	–	–	–	–	–	–
Pedestrian	55	2	8	8	12	25
RR Train	–	–	–	–	–	–
Pedalcyclist	8	–	–	–	2	6
Animal	4	–	–	–	–	4
Fixed Object	232	1	8	25	9	189
Other Object	19	–	–	1	1	17
Fire/Explosion	9	–	–	–	–	9
Submersion	1	–	–	–	–	1
Unknown	228	–	1	7	4	216
TOTALS	1,560	3	31	69	54	1,403

*Any crash involving motor vehicles occurring entirely outside of a public traveled way.